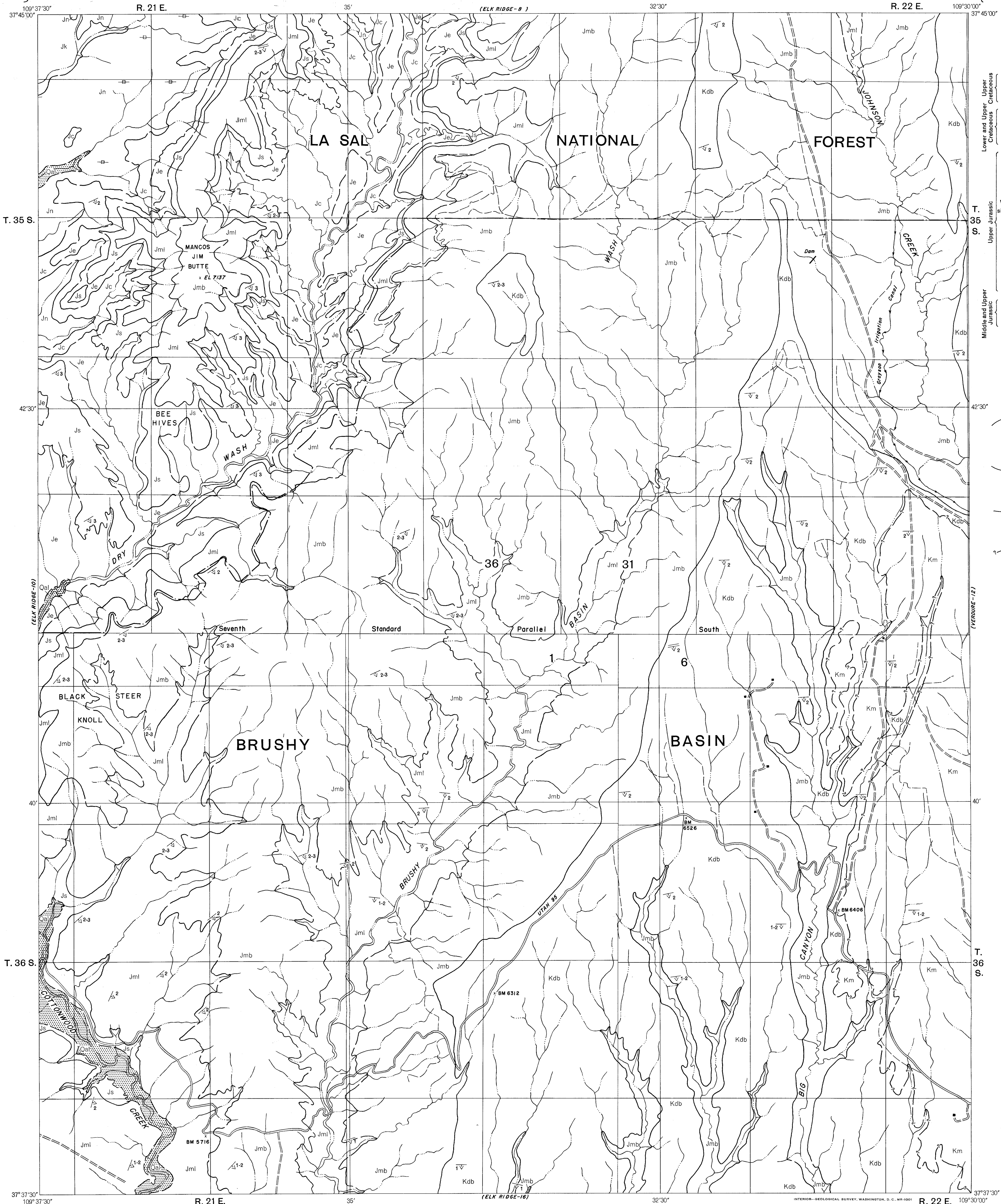


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

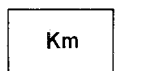
MISCELLANEOUS GEOLOGIC INVESTIGATIONS
MAP I-127



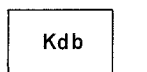
EXPLANATION



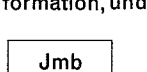
Alluvium



Mancos shale (?)

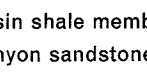


Dakota sandstone and
Burro Canyon formation, undifferentiated

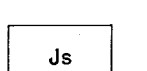


Morrison formation

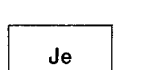
Brushy Basin shale member, Jmb;
Westwater Canyon sandstone, Recapture
shale, and Salt Wash sandstone members,
undifferentiated, Jml



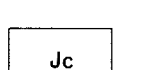
Summerville formation



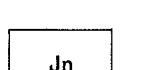
Entrada sandstone



Carmel formation



Navajo sandstone



Kayenta formation

JURASSIC(?)

JURASSIC

Upper Jurassic

Middle and Upper Jurassic

Lower and Upper Cretaceous

QUATERNARY

Contact

Can be located
within 30 feet horizontally.

Contact

Can be located
within 30 to 200 feet horizontally.

Contact

Cannot be located accurately; probable
error greater than 200 feet horizontally.

Probable contact

Strike and dip of beds

Computed by photogrammetric methods.

Approximate strike and dip of beds

Based on photointerpretation.

Strike of approximately vertical joints

Based on photointerpretation.

National forest

boundary

Primary road

Secondary road

Trail

Base map from U. S. Soil Conservation Service map, Utah-326.
The aerial photographs used for photogeologic interpretation were
taken in June 1950 and September 1952.

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

ELK RIDGE
QUADRANGLE

PHOTOGEOLOGIC MAP
OF THE
ELK RIDGE-9 QUADRANGLE
SAN JUAN COUNTY, UTAH

By
C. F. Miller

Scale 1:24,000

1956

Stratigraphic column for this area modified from U. S. Geol. Survey
Trace Elements Inv. Rept. 180, 1962; U. S. Geol. Survey Prof. Paper
193, 1958; and U. S. Geol. Survey unpublished material. Geographic
and geologic field data from U. S. Geol. Survey topographic map,
Elk Ridge quadrangle, Utah, 1940, and Prof. Paper 188.

This map has been compiled mainly from photogeologic data but
has not been checked in the field; hence it has not had the benefit
of thorough evaluation with respect to maps compiled entirely from
field data.